NCBI

PubMed   Nucleotide   Protein   Genome   Structure   PMC   Taxonomy   OMIM   Books

Nucleotide

Search Nucleotide ⌄ for [   ] Go Clear

Limits   Preview/Index   History   Clipboard   Details

Display default ⌄ Show: 20 ⌄ Send to File ⌄   Get Subsequence   Features

☐ 1: AK048439. Mus musculus 16 d...[gi:26339331]   Links

```
LOCUS       AK048439                2864 bp    mRNA    linear   HTC 20-SEP-2003
DEFINITION  Mus musculus 16 days embryo head cDNA, RIKEN full-length enriched
            library, clone:C130060K24 product:hypothetical Rhodopsin-like GPCR
            superfamily containing protein, full insert sequence.
ACCESSION   AK048439
VERSION     AK048439.1  GI:26339331
KEYWORDS    HTC; CAP trapper.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1
  AUTHORS   Carninci,P. and Hayashizaki,Y.
  TITLE     High-efficiency full-length cDNA cloning
  JOURNAL   Meth. Enzymol. 303, 19-44 (1999)
  MEDLINE   99279253
   PUBMED   10349636
REFERENCE   2
  AUTHORS   Carninci,P., Shibata,Y., Hayatsu,N., Sugahara,Y., Shibata,K.,
            Itoh,M., Konno,H., Okazaki,Y., Muramatsu,M. and Hayashizaki,Y.
  TITLE     Normalization and subtraction of cap-trapper-selected cDNAs to
            prepare full-length cDNA libraries for rapid discovery of new genes
  JOURNAL   Genome Res. 10 (10), 1617-1630 (2000)
  MEDLINE   20499374
   PUBMED   11042159
REFERENCE   3
  AUTHORS   Shibata,K., Itoh,M., Aizawa,K., Nagaoka,S., Sasaki,N., Carninci,P.,
            Konno,H., Akiyama,J., Nishi,K., Kitsunai,T., Tashiro,H., Itoh,M.,
            Sumi,N., Ishii,Y., Nakamura,S., Hazama,M., Nishine,T., Harada,A.,
            Yamamoto,R., Matsumoto,H., Sakaguchi,S., Ikegami,T., Kashiwagi,K.,
            Fujiwake,S., Inoue,K., Togawa,Y., Izawa,M., Ohara,E., Watahiki,M.,
            Yoneda,Y., Ishikawa,T., Ozawa,K., Tanaka,T., Matsuura,S., Kawai,J.,
            Okazaki,Y., Muramatsu,M., Inoue,Y., Kira,A. and Hayashizaki,Y.
  TITLE     RIKEN integrated sequence analysis (RISA) system--384-format
            sequencing pipeline with 384 multicapillary sequencer
  JOURNAL   Genome Res. 10 (11), 1757-1771 (2000)
  MEDLINE   20530913
   PUBMED   11076861
REFERENCE   4
  AUTHORS   The RIKEN Genome Exploration Research Group Phase II Team and the
            FANTOM Consortium.
  TITLE     Functional annotation of a full-length mouse cDNA collection
  JOURNAL   Nature 409, 685-690 (2001)
REFERENCE   5
  AUTHORS   The FANTOM Consortium and the RIKEN Genome Exploration Research
            Group Phase I & II Team.
  TITLE     Analysis of the mouse transcriptome based on functional annotation
            of 60,770 full-length cDNAs
  JOURNAL   Nature 420, 563-573 (2002)
REFERENCE   6  (bases 1 to 2864)
  AUTHORS   Adachi,J., Aizawa,K., Akimura,T., Arakawa,T., Bono,H., Carninci,P.,
            Fukuda,S., Furuno,M., Hanagaki,T., Hara,A., Hashizume,W.,
            Hayashida,K., Hayatsu,N., Hiramoto,K., Hiraoka,T., Hirozane,T.,
            Hori,F., Imotani,K., Ishii,Y., Itoh,M., Kagawa,I., Kasukawa,T.,
```

              Katoh,H., Kawai,J., Kojima,Y., Kondo,S., Konno,H., Kouda,M.,
              Koya,S., Kurihara, Matsuyama,T., Miyazaki,A., Mu a,M.,
              Nakamura,M., Nishi,K., Nomura,K., Numazaki,R., Ohno,M., Ohsato,N.,
              Okazaki,Y., Saito,R., Saitoh,H., Sakai,C., Sakai,K., Sakazume,N.,
              Sano,H., Sasaki,D., Shibata,K., Shinagawa,A., Shiraki,T.,
              Sogabe,Y., Tagami,M., Tagawa,A., Takahashi,F., Takaku-Akahira,S.,
              Takeda,Y., Tanaka,T., Tomaru,A., Toya,T., Yasunishi,A.,
              Muramatsu,M. and Hayashizaki,Y.
  TITLE   Direct Submission
  JOURNAL   Submitted (16-JUL-2001) Yoshihide Hayashizaki, The Institute of
            Physical and Chemical Research (RIKEN), Laboratory for Genome
            Exploration Research Group, RIKEN Genomic Sciences Center (GSC),
            RIKEN Yokohama Institute; 1-7-22 Suehiro-cho, Tsurumi-ku, Yokohama,
            Kanagawa 230-0045, Japan (E-mail:genome-res@gsc.riken.go.jp,
            URL:http://genome.gsc.riken.go.jp/, Tel:81-45-503-9222,
            Fax:81-45-503-9216)
  COMMENT   cDNA library was prepared and sequenced in Mouse Genome
            Encyclopedia Project of Genome Exploration Research Group in Riken
            Genomic Sciences Center and Genome Science Laboratory in RIKEN.
            Division of Experimental Animal Research in Riken contributed to
            prepare mouse tissues.
            Please visit our web site for further details.
            URL:http://genome.gsc.riken.go.jp/
            URL:http://fantom.gsc.riken.go.jp/.
FEATURES   Location/Qualifiers
    source   1..2864
                  /organism="Mus musculus"
                  /mol_type="mRNA"
                  /strain="C57BL/6J"
                  /db_xref="FANTOM_DB:C130060K24"
                  /db_xref="MGI:2414587"
                  /db_xref="taxon:10090"
                  /clone="C130060K24"
                  /tissue_type="head"
                  /clone_lib="RIKEN full-length enriched mouse cDNA library"
                  /dev_stage="16 days embryo"
    CDS   64..1161
                  /note="unnamed protein product; hypothetical
                  Rhodopsin-like GPCR superfamily containing protein
                  (InterPro|IPR000276, evidence: InterPro)
                  putative"
                  /codon_start=1
                  /protein_id="BAC33337.1"
                  /db_xref="GI:26339332"
                  /translation="MLIFALALFGNALVVYVVTRSKAMRTVTNIFICSLALSDLLIVF
                  FCIPVTMLQNVSDTWLGGAFICKMVPFVQCTAIVTEILTMTCIAVERHQGLVHPFKMK
                  RQYTNQRAFTMLGVVWLVAIIIGSPMWHVQRLEIKYDFLYEKEHICCLEEWSSPVHQK
                  IYTTFILVTLFLLPLLLLSVLYGKIGYELWIKKRIGDGSVLRTIHGKEMFKIARKKKR
                  AVIMMVTVVVLFAVCWAPFHIVHMMIEYSNFEKEYDEVTIKMIFAIVQIIGFFNSICN
                  PIIYALMNENFKKNFVSAVCYCIVKETPSSARKHGSSGAMVMHRRAKLAARENPVEIK
                  GEAFGGSNIDIKWCEQPEKKKRRSKVASCPL"
BASE COUNT   839 a   609 c   602 g   814 t
ORIGIN

```
        1 gggccactgg tgctcacccc gcagcttccc gcgcgcgcca ggctggccct cctgctggtc
       61 ggcatgctca tctttgccct ggcgctcttc ggcaacgccc tggtagtcta tgtggtgacc
      121 cgcagcaagg ccatgcgcac cgtcaccaac atcttcatct gctccctggc actcagcgac
      181 ctgctcatcg tcttcttctg catcccggtc accatgctcc agaacgtctc ggacacctgg
      241 ctggggggtg ccttcatttg caaaatggtc ccatttgtcc agtgcactgc cattgtgaca
      301 gaaatcctta ctatgacctg cattgctgtg gaaaggcacc agggacttgt ccatcctttt
      361 aaaatgaagc ggcagtacac caatcaaaga gctttcacaa tgctaggtgt ggtgtggctg
      421 gtggccatca tcataggatc acccatgtgg catgtgcagc gacttgagat taagtatgac
      481 ttcctatatg aaaaagaaca catctgctgc ctggaagagt ggagcagccc cgtgcaccag
      541 aagatctaca ccaccttcat ccttgtcacc ctcttcctgc taccactgtt gctgctctct
      601 gtcctctacg ggaaaatcgg ttatgagctt tggatcaaga aagaatcgg gatggctca
      661 gtgctccgaa ctattcatgg aaaagaaatg ttcaaaatag ccagaaagaa gaagcgagct
      721 gtgatcatga tggtgacagt cgtggttctc tttgctgtgt gctggcacc tttccacatc
      781 gttcacatga tgattgaata cagtaatttt gaaaaggaat atgatgaagt cacaatcaag
```
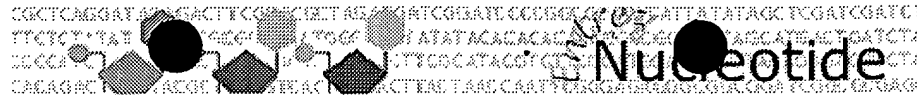
```
 841 atgatttttg ctatagtgca aataattgga tttttcaact ccatctgtaa tcccattatt
 901 tatgcactta tgaatgaaa●ttcaaaaaa aactttgtgt.ctgccgtttt●tattgcatt
 961 gtgaaggaaa caccttcttc agcacggaag catggaagtt caggagctat ggtgatgcac
1021 aggagggcaa agttagctgc aagagagaat cctgtagaga tcaaaggaga agcatttggg
1081 ggcagcaaca tcgatatcaa gtggtgtgaa cagccagaaa agaagaagag gagatcaaaa
1141 gtggcatctt gtcctcttta gttccgaatt tctgagagct ctgctgtaga cgtgaacact
1201 gtaccaatgt cttcagaatg agtatctgtc atactgtaat cgaaagaaaa tgattttgag
1261 aaaaagccag agagctttca tattaaaaat gttgacaaac actcagaagg cagggacagg
1321 ggattcaaga gtttaaagtc atccttagct gcacgataag tttgaggata acctgggcta
1381 caagagaccc tgtctcaaga agccataata attaaaacaa ccatccttaa ctaatgataa
1441 tgacaaagta tttttccatt gaaaatacat gtaagctgca attttgaaaa attattgaac
1501 cacccttgtg attaatagat gaagtttaaa aaaatttaaa tgtgtttta ttgtatgtat
1561 atggttggtt tacctgtgta tatgtctttc agtaacttgt ataaaactca atgatctcag
1621 ctagtaactt tcttctgtgt ggtcaatgtg atatgatttc ctatatattg ctaaattgaa
1681 tgaaaacatt aacaattcat tttcttccta gaatattaat ttaatagttg agcatcacac
1741 gtgactgccg aagttgtgcc tcattctttt gcaaagaaag catgtaccaa agtcagaaag
1801 tccaaaaaag tggaggagca gccaaacatg agtgcaactc agcaacacat agatcggagc
1861 ttcttacagc ccgagggacc atttctgtgc tctcataacc cccttttttc tttttaaata
1921 tctatttctg tgcaaactga tgttgatacc ggctctactt gatgaagtca ccaggaagct
1981 aaatgagaca cacgtagaaa agcattttgc ggtctagagc agtcttgcat tcggaagcat
2041 tgtcctgttc atatatatct ccagcctctt ctgtccctgc tctgagttta ttcttgacac
2101 tgtccaactt tttcctcata cacacatctg cgttctttac tagagaagag tttgagggac
2161 ctcatgtatc gacagagttg atatataata taaataggt taaaatataa gtattagaga
2221 taagctctag tggtaggaaa gagctttcct tacataagtg taacatgttg acgaggactg
2281 aactctacca tgaaatttttg ccattccatg actacccagg tttcttccct caaacccatt
2341 tagtcttctg actcccacat gtcacagatc caggggccac catcatcaga gcacatgacc
2401 ctttcccatc aagcatctaa tactttcaaa gcttagtcat atatccttgt agcctaaatg
2461 tttctgatgc ctccagtttc tagtcttgat tgttttcagc tgataacaaa aatgtcaaga
2521 acacccaggc tgctttgtgg tttgagcatt aaaacatggg aaccaaacaa ctgaggctac
2581 taactcctca gtacaacctc aactcctcag gtgtgtcagc gaagcatgca tggaaaagat
2641 gaagatgaaa taatgtgtgg aatagagga ggggaaatgc caagatgaca gtaaaattat
2701 caaatcaaaa agagggaggc tggatcatgt gtttgggaac ggattgttta ggtcgtactg
2761 tgaactgtgt gtctgttgtg cctagctatc ctgttacaaa gcagtgtttt gttaaaacac
2821 caaaaattaa aataaatcca aatcactgtc tttggttacc ttct
//
```

☐ **1:** <u>AK051723</u>. Mus musculus 12 d...[gi:26342145]   Links

```
LOCUS       AK051723                1642 bp    mRNA    linear   HTC 20-SEP-2003
DEFINITION  Mus musculus 12 days embryo spinal ganglion cDNA, RIKEN full-length
            enriched library, clone:D130067L02 product:hypothetical
            Rhodopsin-like GPCR superfamily containing protein, full insert
            sequence.
ACCESSION   AK051723
VERSION     AK051723.1  GI:26342145
KEYWORDS    HTC; CAP trapper.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1
  AUTHORS   Carninci,P. and Hayashizaki,Y.
  TITLE     High-efficiency full-length cDNA cloning
  JOURNAL   Meth. Enzymol. 303, 19-44 (1999)
  MEDLINE   99279253
   PUBMED   10349636
REFERENCE   2
  AUTHORS   Carninci,P., Shibata,Y., Hayatsu,N., Sugahara,Y., Shibata,K.,
            Itoh,M., Konno,H., Okazaki,Y., Muramatsu,M. and Hayashizaki,Y.
  TITLE     Normalization and subtraction of cap-trapper-selected cDNAs to
            prepare full-length cDNA libraries for rapid discovery of new genes
  JOURNAL   Genome Res. 10 (10), 1617-1630 (2000)
  MEDLINE   20499374
   PUBMED   11042159
REFERENCE   3
  AUTHORS   Shibata,K., Itoh,M., Aizawa,K., Nagaoka,S., Sasaki,N., Carninci,P.,
            Konno,H., Akiyama,J., Nishi,K., Kitsunai,T., Tashiro,H., Itoh,M.,
            Sumi,N., Ishii,Y., Nakamura,S., Hazama,M., Nishine,T., Harada,A.,
            Yamamoto,R., Matsumoto,H., Sakaguchi,S., Ikegami,T., Kashiwagi,K.,
            Fujiwake,S., Inoue,K., Togawa,Y., Izawa,M., Ohara,E., Watahiki,M.,
            Yoneda,Y., Ishikawa,T., Ozawa,K., Tanaka,T., Matsuura,S., Kawai,J.,
            Okazaki,Y., Muramatsu,M., Inoue,Y., Kira,A. and Hayashizaki,Y.
  TITLE     RIKEN integrated sequence analysis (RISA) system--384-format
            sequencing pipeline with 384 multicapillary sequencer
  JOURNAL   Genome Res. 10 (11), 1757-1771 (2000)
  MEDLINE   20530913
   PUBMED   11076861
REFERENCE   4
  AUTHORS   The RIKEN Genome Exploration Research Group Phase II Team and the
            FANTOM Consortium.
  TITLE     Functional annotation of a full-length mouse cDNA collection
  JOURNAL   Nature 409, 685-690 (2001)
REFERENCE   5
  AUTHORS   The FANTOM Consortium and the RIKEN Genome Exploration Research
            Group Phase I & II Team.
  TITLE     Analysis of the mouse transcriptome based on functional annotation
            of 60,770 full-length cDNAs
  JOURNAL   Nature 420, 563-573 (2002)
REFERENCE   6  (bases 1 to 1642)
  AUTHORS   Adachi,J., Aizawa,K., Akimura,T., Arakawa,T., Bono,H., Carninci,P.,
            Fukuda,S., Furuno,M., Hanagaki,T., Hara,A., Hashizume,W.,
            Hayashida,K., Hayatsu,N., Hiramoto,K., Hiraoka,T., Hirozane,T.,
```

```
          Hori,F., Imotani,K. Ishii,Y., Itoh,M., Kagawa,I., Kasukawa,T.,
          Katoh,H., Kawai,J. ojima,Y., Kondo,S., Konno,H.,  da,M.,
          Koya,S., Kurihara,C., Matsuyama,T., Miyazaki,A., Murata,M.,
          Nakamura,M., Nishi,K., Nomura,K., Numazaki,R., Ohno,M., Ohsato,N.,
          Okazaki,Y., Saito,R., Saitoh,H., Sakai,C., Sakai,K., Sakazume,N.,
          Sano,H., Sasaki,D., Shibata,K., Shinagawa,A., Shiraki,T.,
          Sogabe,Y., Tagami,M., Tagawa,A., Takahashi,F., Takaku-Akahira,S.,
          Takeda,Y., Tanaka,T., Tomaru,A., Toya,T., Yasunishi,A.,
          Muramatsu,M. and Hayashizaki,Y.
```
  TITLE   Direct Submission
  JOURNAL   Submitted (16-JUL-2001) Yoshihide Hayashizaki, The Institute of
            Physical and Chemical Research (RIKEN), Laboratory for Genome
            Exploration Research Group, RIKEN Genomic Sciences Center (GSC),
            RIKEN Yokohama Institute; 1-7-22 Suehiro-cho, Tsurumi-ku, Yokohama,
            Kanagawa 230-0045, Japan (E-mail:genome-res@gsc.riken.go.jp,
            URL:http://genome.gsc.riken.go.jp/, Tel:81-45-503-9222,
            Fax:81-45-503-9216)
  COMMENT   cDNA library was prepared and sequenced in Mouse Genome
            Encyclopedia Project of Genome Exploration Research Group in Riken
            Genomic Sciences Center and Genome Science Laboratory in RIKEN.
            Division of Experimental Animal Research in Riken contributed to
            prepare mouse tissues.
            Please visit our web site for further details.
            URL:http://genome.gsc.riken.go.jp/
            URL:http://fantom.gsc.riken.go.jp/.
FEATURES   Location/Qualifiers
     source   1..1642
                     /organism="Mus musculus"
                     /mol_type="mRNA"
                     /strain="C57BL/6J"
                     /db_xref="FANTOM_DB:D130067L02"
                     /db_xref="MGI:2420058"
                     /db_xref="taxon:10090"
                     /clone="D130067L02"
                     /tissue_type="spinal ganglion"
                     /clone_lib="RIKEN full-length enriched mouse cDNA library"
                     /dev_stage="12 days embryo"
     CDS   88..1185
                     /note="unnamed protein product; hypothetical
                     Rhodopsin-like GPCR superfamily containing protein
                     (InterPro|IPR000276, evidence: InterPro)
                     putative"
                     /codon_start=1
                     /protein_id="BAC34735.1"
                     /db_xref="GI:26342146"
                     /translation="MLIFALALFGNALVVYVVTRSKAMRTVTNIFICSLALSDLLIVF
                     FCIPVTMLQNVSDTWLGGAFICKMVPFVQCTAIVTEILTMTCIAVERHQGLVHPFKMK
                     RQYTNQRAFTMLGVVWLVAIIIGSPMWHVQRLEIKYDFLYEKEHICCLEEWSSPVHQK
                     IYTTFILVTLFLLPLLLLSVLYGKIGYELWIKKRIGDGSVLRTIHGKEMFKIARKKKR
                     AVIMMVTVVVLFAVCWAPFHIVHMMIEYSNFEKEYDEVTIKMIFAIVQIIGFFNSICN
                     PIIYALMNENFKKNFVSAVCYCIVKETPSSARKHGSSGAMVMHRRAKLAARENPVEIK
                     GEAFGGSNIDIKWCEQPEKKKRRSKVASCPL"
BASE COUNT   466 a   359 c   372 g   445 t
ORIGIN
        1 gagttcatcg cgcactatgg gctgcggcca ctggtgctca ccccgcagct tcccgcgcgc
       61 gccaggctgg ccctcctgct ggtcggcatg ctcatctttg ccctggcgct cttcggcaac
      121 gccctggtag tctatgtggt gacccgcagc aaggccatgc gcaccgtcac caacatcttc
      181 atctgctccc tggcactcag cgacctgctc atcgtcttct ctgcatccc ggtcaccatg
      241 ctccagaacg tctcggacac ctggctgggg ggtgccttca tttgcaaaat ggtcccattt
      301 gtccagtgca ctgccattgt gacagaaatc cttactatga cctgcattgc tgtggaaagg
      361 caccagggac ttgtccatcc ttttaaaatg aagcggcagt acaccaatca aagagctttc
      421 acaatgctag gtgtggtgtg gctggtggcc atcatcatag gatcacccat gtggcatgtg
      481 cagcgacttg agattaagta tgacttccta tatgaaaaag aacacatctg ctgcctggaa
      541 gagtggagca gccccgtgca ccagaagatc tacaccacct tcatccttgt caccctcttc
      601 ctgctaccac tgttgctgct ctctgtcctc tacgggaaaa tcggttatga gctttggatc
      661 aagaaaagaa tcggggatgg ctcagtgctc cgaactattc atggaaaaga aatgttcaaa
      721 atagccagaa agaagaagcg agctgtgatc atgatggtga cagtcgtggt tctctttgct

```
 781 gtgtgctggg cacctttcca ●atcgttcac atgatgattg aatacagtaa ttttgaaaag
 841 gaatatgatg aagtcacaa● agatgatt tttgctatag tgcaataa● ggatttttc
 901 aactccatct gtaatcccat tatttatgca cttatgaatg aaaacttcaa aaaaaacttt
 961 gtgtctgccg tttgctattg cattgtgaag gaaacacctt cttcagcacg gaagcatgga
1021 agttcaggag ctatggtgat gcacaggagg gcaaagttag ctgcaagaga gaatcctgta
1081 gagatcaaag gagaagcatt tgggggcagc aacatcgata tcaagtggtg tgaacagcca
1141 gaaaagaaga agaggagatc aaaagtggca tcttgtcctc tttagttccg aatttctgag
1201 agctctgctg tagacgtgaa cactgtacca atgtcttcag aatgagtatc tgtcatactg
1261 taatcgaaag aaaatgattt tgagaaaaag ccagagagct ttcatattaa aaatgttgac
1321 aaacactcag aaggcaggga caggggattc aagagtttaa agtcatcctt agctgcgcga
1381 taagtttgag gataacctgg gctacaagag accctgtctc aagaagccat aataattaaa
1441 acaaccatcc ttaactaatg ataatgacaa agtattttc cattgaaaat acatgtaagc
1501 tgcaattttg aaaaattatt gaaccaccct tgtgattaat agatgaagtt taaaaaaatt
1561 taaatgtgtt tttattgtat gtatatggtt ggtttacctg tgtatatgtc tttcagtaac
1621 ttgtataaaa ctcaatgatc tc
//
```

Oct 2 2003 18:31:01